L Number	Hits	Search Text	DB	Time stamp
1	23	"5631499"	USPAT;	2003/11/29 11:39
	1		US-PGPUB;	
	١ ,		EPO; JPO;	
	١ ,		DERWENT	
-	25	"5298459"	USPAT;	2003/11/29 11:39
	١		US-PGPUB;	
	l i		EPO; JPO; DERWENT	
_	48	"5376584"	USPAT;	2002/01/04 15:07
	1		US-PGPUB;	
	١ ,		EPO; JPO;	
	١ ,		DERWENT	
-	40	"5137845"	USPAT;	2002/01/04 15:07
	l ;		US-PGPUB;	
	١ ,		EPO; JPO; DERWENT	
_	3	"5424581"	USPAT;	2002/01/04 15:07
	۱ ۱		US-PGPUB;	, 01, 01 10.07
	١ ,		EPO; JPO;	
	!		DERWENT	
-	105	"5298459" "5376584" "5137845" "5424581"	USPAT;	2002/01/07 08:06
	1		US-PGPUB;	
	1		EPO; JPO; DERWENT	
_	1	5946590.pn. and ("4" metallurgy)	USPAT;	2002/01/07 09:51
	1 1	incontrary/	US-PGPUB;	
1	1		EPO; JPO;	
	1		DERWENT	
-	45	(ubm barrier (under adj bump adj	USPAT;	2002/01/07 08:52
	l i	metallurgy)) near3 ((cu near1 (ti ni))	US-PGPUB;	
	1	(copper near (titanium nikel)))	EPO; JPO; DERWENT	
_	270620	(ubm barrier blm (ball adj limiting adj	USPAT;	2002/01/07 08:52
	1 2.0020	metallurgy) (under adj bump adj	US-PGPUB;	-, 52, 5. 55.52
	1	metallurgy))	EPO; JPO;	
	۱		DERWENT	1
-	270006	(ubm barrier (ball adj limiting adj	USPAT;	2003/03/13 08:10
	1	metallurgy) (under adj bump adj metallurgy))	US-PGPUB; EPO; JPO;	
	1	mecarrurgy))	DERWENT	
_	47	((ubm barrier blm (ball adj limiting adj	USPAT;	2002/06/13 07:47
	1 - 1	metallurgy) (under adj bump adj	US-PGPUB;	
	1	metallurgy))) near3 ((cu near1 (ti ni))	EPO; JPO;	
	1	(copper near (titanium nikel)))	DERWENT	2000/01/05
-	2	(((ubm barrier blm (ball adj limiting adj	USPAT;	2002/01/07 08:53
	·	metallurgy) (under adj bump adj metallurgy))) near3 ((cu near1 (ti ni))	US-PGPUB; EPO; JPO;	
	' i	(copper near (titanium nikel)))) not ((ubm	DERWENT	
	١ ١	barrier (under adj bump adj metallurgy))		
	t j	near3 ((cu near1 (ti ni)) (copper near		
	l i	(titanium nikel))))	,,,,,,	0000/05/55
-	10	5384283.URPN.	USPAT;	2002/01/07 08:56
	l i		US-PGPUB; EPO; JPO;	
	1		DERWENT	
1-	43	4273859.URPN.	USPAT;	2002/01/07 09:01
1	1		US-PGPUB;	
1	1		EPO; JPO;	
	l i		DERWENT	
-	32	4742023.URPN.	USPAT;	2002/01/07 09:04
	1		US-PGPUB;	
	1		EPO; JPO; DERWENT	
_	0	5946590.pn. and tin	USPAT;	2002/01/07 09:53
[	1		US-PGPUB;	
	1		EPO; JPO;	
L			DERWENT	
		And the second s		

-	1	5719070.pn. and tin	USPAT; US-PGPUB;	2002/01/07 09:54
			EPO; JPO;	
			DERWENT	
-	0	5946590.pn. and sn	USPAT;	2002/01/07 09:53
			US-PGPUB;	
			EPO; JPO; DERWENT	
_	1	6030512.pn. and (tin sn)	USPAT;	2002/01/07 09:54
			US-PGPUB;	
			EPO; JPO;	
1_	106	"5239198"	DERWENT	2002/05/02 00 20
	100	3233130	USPAT; US-PGPUB;	2002/05/03 08:32
			EPO; JPO;	
			DERWENT	
-	0	1 1 (1119 (111911 day 11101045 day)	USPAT;	2002/05/03 08:37
		temperature))	US-PGPUB; EPO; JPO;	
			DERWENT	
-	23		USPAT;	2002/05/03 08:50
	İ	with (hmt (high adj melt\$3 adj	US-PGPUB;	
		temperature)))	EPO; JPO;	
_	6	("5459287"   "5463191"   "5541368"	DERWENT USPAT	2002/05/03 08:52
	1	"5587885"   "5591941"   "5841198").PN.	JULAI	2002/03/03 00:32
-	6	5841198.URPN.	USPAT	2002/05/03 08:54
_	1 25	6186392.URPN.	USPAT	2002/05/03 08:56
_	25	("3960279"   "4004261"   "4346516"     "4801065"   "4830264"   "4983804"	USPAT	2002/05/03 08:57
		"5118027"   "5299730"   "5346775"		
		"5401911"   "5447886"   "5531942"		
		"5539153"   "5620927"   "5643831"		
		"5674785"   "5739585"   "5816482"     "5839641"   "5841198"   "5867082"		
		"5872400"   "5899737"   "5986348"		
		"6100175").PN.		
_	6	("5459287"   "5463191"   "5541368"	USPAT	2002/05/03 09:04
_	6	"5587885"   "5591941"   "5841198").PN. 5841198.URPN.	ti opam	0000/05/02 00 05
_	6	5841198.URPN.	USPAT USPAT	2002/05/03 09:05
-	20	(US-6350669-\$ or US-6165885-\$ or	USPAT	2002/05/03 14:47
		US-6121069-\$ or US-5959355-\$ or		
		US-5953623-\$ or US-5736074-\$ or		
		US-5591941-\$ or US-5468995-\$ or   US-5841198-\$ or US-6283358-\$ or		
		US-6186392-\$ or US-5986348-\$ or		
}		US-5872400-\$ or US-5346775-\$ or		
		US-4983804-\$ or US-5946590-\$ or		
		US-5298459-\$ or US-6201679-\$ or US-6030512-\$ or US-5719070-\$).did.		
_	7	((US-6350669-\$ or US-6165885-\$ or	USPAT;	2002/05/03 14:48
		US-6121069-\$ or US-5959355-\$ or	US-PGPUB;	
		US-5953623-\$ or US-5736074-\$ or	EPO; JPO;	
		US-5591941-\$ or US-5468995-\$ or	DERWENT	
		US-5841198-\$ or US-6283358-\$ or US-6186392-\$ or US-5986348-\$ or		
		US-5872400-\$ or US-5346775-\$ or		
		US-4983804-\$ or US-5946590-\$ or		
		US-5298459-\$ or US-6201679-\$ or		
		US-6030512-\$ or US-5719070-\$).did.) and (pad near3 (cu copper))		
-	50	(ubm barrier blm (ball adj limiting adj	USPAT;	2002/06/13 07:48
		metallurgy) (under adj bump adj	US-PGPUB;	2002/00/15 0/.40
		<pre>metallurgy))) near3 ((cu near1 (ti ni))</pre>	EPO; JPO;	
	100	(copper near (titanium nikel)))	DERWENT	2000/06/22 2= ==
-	100	<pre>(ubm (ball adj limiting adj metallurgy) (under adj bump adj metallurgy)) same</pre>	USPAT;	2002/06/13 07:50
		barrier	US-PGPUB; EPO; JPO;	
			DERWENT	

-	178	(ubm (ball adj limiting adj metallurgy)	USPAT;	2002/06/13 08:05
1		(under adj bump adj metallurgy)) and	US-PGPUB;	1
		barrier	EPO; JPO;	
			DERWENT	
_	0	257/772,773,776,779,780	USPAT;	2002/06/13 07:52
		20171127110711071100	US-PGPUB;	2002/00/13 07:32
1			l .	
			EPO; JPO;	
	5054	057/370 057/370 057/370 057/370 057/370	DERWENT	
-	5054	257/772 257/773 257/776 257/779 257/780	USPAT;	2002/06/13 07:53
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	41	((ubm (ball adj limiting adj metallurgy)	USPAT;	2002/06/13 07:53
		(under adj bump adj metallurgy)) and	US-PGPUB;	
		barrier) and (257/772 257/773 257/776	EPO; JPO;	
		257/779 257/780)	DERWENT	
<u>  _</u>	8			2002/06/12 07:57
_	٥		USPAT	2002/06/13 07:57
		"5888892"   "6196443"   "6251501"		
	_	"6258705"   "6281106").PN.		
-	2	("5470787"   "5872404").PN.	USPAT	2002/06/13 07:57
-	1	6281106.URPN.	USPAT	2002/06/13 07:57
-	7	5977632.URPN.	USPAT	2002/06/13 08:02
-	2	6201305.URPN.	USPAT	2002/06/13 08:02
_	2	("5327013"   "5977632").PN.	USPAT	2002/06/13 08:03
	2	("5327013"   "5977632").PN.	USPAT	2002/06/13 08:03
_	2	6201305.URPN.	USPAT	2002/06/13 08:03
_	500	(ubm (ball adj limiting adj metallurgy)		
_	300		USPAT;	2002/06/13 08:06
		(under adj bump adj metallurgy))	US-PGPUB;	1
			EPO; JPO;	1
			DERWENT	
-	90	(257/772 257/773 257/776 257/779 257/780)	USPAT;	2002/06/13 08:06
		and ((ubm (ball adj limiting adj	US-PGPUB;	
		metallurgy) (under adj bump adj	EPO; JPO;	
		metallurgy)))	DERWENT	1
1_	49	((257/772 257/773 257/776 257/779 257/780)	USPAT;	2002/06/13 08:18
	4.5	and ((ubm (ball adj limiting adj	US-PGPUB;	2002/00/13 08:18
				İ
		metallurgy) (under adj bump adj	EPO; JPO;	
		<pre>metallurgy)))) not (((ubm (ball adj</pre>	DERWENT	
		limiting adj metallurgy) (under adj bump		
	-	adj metallurgy)) and barrier) and (257/772		
1		257/773 257/776 257/779 257/780))		
-	1	"5323051".PN.	USPAT	2002/06/13 08:07
_	6	("5420073"   "5470787"   "5767010"	USPAT	2002/06/13 08:09
]	_	"5773359"   "5903058"   "6107180").PN.	0022	2002,00,13 00.05
_	0	6118180.URPN.	USPAT	2002/06/13 08:13
_	3			1 ' '
	- 1		USPAT	2002/06/13 08:13
-	4	("3697828"   "4710798"   "5046161"	USPAT	2002/06/13 08:15
		"5075965").PN.		
-	11	5726501.URPN.	USPAT	2002/06/13 08:16
-	370	(257/772 257/773 257/776 257/779 257/780)	USPAT;	2002/06/13 08:20
	]	and (barrier adj layer)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	352	((257/772 257/773 257/776 257/779 257/780)		2002/06/12 00:00
	332		USPAT;	2002/06/13 08:20
		and (barrier adj layer)) not (((ubm barrier	US-PGPUB;	
		blm (ball adj limiting adj metallurgy)	EPO; JPO;	
		(under adj bump adj metallurgy))) near3	DERWENT	
		((cu nearl (ti ni)) (copper near (titanium		
		nikel))) ) not (((ubm (ball adj limiting		
		adj metallurgy) (under adj bump adj		
		metallurgy)) and barrier) and (257/772		
		257/773 257/776 257/779 257/780)) not		
] [				
]		(((257/772 257/773 257/776 257/779 257/780)		
		and ((ubm (ball adj limiting adj		
1		metallurgy) (under adj bump adj		
		<pre>metallurgy)))) not (((ubm (ball adj</pre>		
		limiting adj metallurgy) (under adj bump		
[		adj metallurgy)) and barrier) and (257/772		
[		257/773 257/776 257/779 257/780)))		
	l			L

-	15	(((257/772 257/773 257/776 257/779 257/780)	USPAT;	2002/06/13 08:27
		and (barrier adj layer)) not (((ubm barrier	US-PGPUB;	-
		blm (ball adj limiting adj metallurgy)	EPO; JPO;	
-		(under adj bump adj metallurgy))) near3	DERWENT	
	1	((cu near1 (ti ni)) (copper near (titanium		
		nikel))) ) not (((ubm (ball adj limiting		
		adj metallurgy) (under adj bump adj		
		metallurgy)) and barrier) and (257/772		
		257/773 257/776 257/779 257/780)) not		
		(((257/772 257/773 257/776 257/779 257/780)		
		and ((ubm (ball adj limiting adj		
		metallurgy) (under adj bump adj		
		<pre>metallurgy)))) not (((ubm (ball adj</pre>		
		limiting adj metallurgy) (under adj bump		
•		adj metallurgy)) and barrier) and (257/772		
		257/773 257/776 257/779 257/780)))) and		
		(bump ball) and metallurgy		
-	49		USPAT;	2002/06/13 08:22
	1	and (barrier adj layer)) and metallurgy	US-PGPUB;	
			EPO; JPO;	
	8	/840402008   855000008   855422408	DERWENT	0000 (00 (10 00 00
_	8	("4840302"   "5508229"   "5547740"	USPAT	2002/06/13 08:23
		"5888892"   "6196443"   "6251501"		
	762	"6258705"   "6281106").PN.	Hann	2000/06/12 00 00
-	/62	(solder adj (bump ball)) and metallurgy	USPAT;	2002/06/13 08:28
			US-PGPUB;	
			EPO; JPO;	1
_	2	((solder adj (bump ball)) and metallurgy)	DERWENT USPAT:	2002/06/13 08:29
_	2	and (barrier with (groove protrusion	US-PGPUB;	2002/06/13 08:29
		projection ridge))	EPO; JPO;	]
		projection riage//	DERWENT	
	6	((solder adj (bump ball)) and metallurgy)	USPAT;	2002/06/13 08:29
	ľ	and (barrier with (groove recess protrusion	US-PGPUB;	2002/00/13 08.23
!		projection ridge))	EPO; JPO;	1
			DERWENT	
_	266	((solder adj (bump ball)) and metallurgy)	USPAT;	2002/06/13 08:30
		and barrier	US-PGPUB;	
			EPO; JPO;	
]			DERWENT	
-	173	(((ubm barrier blm (ball adj limiting adj	USPAT;	2002/06/13 08:30
		metallurgy) (under adj bump adj	US-PGPUB;	
		metallurgy))) near3 ((cu near1 (ti ni))	EPO; JPO;	
		(copper near (titanium nikel))) ) (((ubm	DERWENT	
		(ball adj limiting adj metallurgy) (under		
		adj bump adj metallurgy)) and barrier) and		
		(257/772 257/773 257/776 257/779 257/780))		
		(((257/772 257/773 257/776 257/779 257/780)		
		and ((ubm (ball adj limiting adj		
		metallurgy) (under adj bump adj		
		<pre>metallurgy)))) not (((ubm (ball adj</pre>		
		limiting adj metallurgy) (under adj bump		
		adj metallurgy)) and barrier) and (257/772		
ļ		257/773 257/776 257/779 257/780)))		
		(((257/772 257/773 257/776 257/779 257/780)		
		and (barrier adj layer)) and metallurgy)		

	219	(((solder adj (bump ball)) and metallurgy) and barrier) not ((((ubm barrier blm (ball adj limiting adj metallurgy) (under adj bump adj metallurgy))) near3 ((cu near1 (ti ni)) (copper near (titanium nikel)))) (((ubm (ball adj limiting adj metallurgy) (under adj bump adj metallurgy)) and barrier) and (257/772 257/773 257/776 257/779 257/780)) (((257/772 257/773 257/776 257/779 257/780) and ((ubm (ball adj limiting adj metallurgy) (under adj bump adj metallurgy)))) not (((ubm (ball adj limiting adj metallurgy)) (under adj bump adj metallurgy)) and barrier) and (257/772 257/773 257/776 257/779 257/780)) (((257/772 257/773 257/776 257/779 257/780)) and (barrier adj layer)) and metallurgy))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/13 08:31
-	10	("4495222"   "4761386"   "4933305"   "5130779"   "5284797"   "5350488"   "5384284"   "5403777"   "5567654"   "6133136").PN.	USPAT	2002/06/13 08:35
-	5	("4434434"   "5268072"   "5629564"   "5785236"   "5795819").PN.	USPAT	2002/06/13 08:36
-	15	4761386.URPN.	USPAT	2002/06/13 08:38
_	5	("3806361"   "4106051"   "4109275"   "4149301"   "4628590").PN.	USPAT	2002/06/13 08:40
-	0	6333559.URPN.	USPAT	2002/06/13 08:40
-	10	5384283.URPN.	USPAT	2002/06/13 08:46
-	8	"5872399"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/13 08:53
_	5	("5504277"   "5521435"   "5557844"   "5668405"   "5669783").PN.	USPAT	2002/06/13 08:55
_	543	<pre>(ubm (underbump near metallization)(ball near1 metallurgy) (under adj bump adj metallurgy))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/13 08:11
_	387	((ubm (underbump near metallization)(ball nearl metallurgy) (under adj bump adj metallurgy))) and (ti titanium chrom cr nickel ni gold au copper cu)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/12 10:46
-	118	(((ubm (underbump near metallization)(ball near1 metallurgy) (under adj bump adj metallurgy)) and (ti titanium chrom cr nickel ni gold au copper cu)) and (ti titanium) and (nickel ni) and (gold au)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/12 10:48
-	26	(((ubm (underbump near metallization)(ball nearl metallurgy) (under adj bump adj metallurgy))) and (ti titanium) and (nickel ni) and (gold au)) and (angstroms micrometer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/12 10:49
_	118	((ubm (underbump near metallization)(ball nearl metallurgy) (under adj bump adj metallurgy))) and (ti titanium) and (nickel ni) and (gold au)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/13 08:16
-	0	6489229.URPN.	USPAT	2003/03/12 12:09
_	10	("3458925"   "4434434"   "4516525"   "4622205"   "4646958"   "5137845"   "5470787"   "6107180"   "6184061"	USPAT	2003/03/12 12:09
_	4	"6417089").PN. ("5349500"   "5902686"   "6251766"   "6258703").PN.	USPAT	2003/03/12 13:47
_	10	"6258703").PN. ("3663184"   "4661375"   "5162257"   "5376584"   "5480835"   "5492235"   "5736456"   "5767010"   "5773359"   "6133136").PN.	USPAT	2003/03/12 13:48
_	27	((ubm (underbump near metallization) (ball nearl metallurgy) (under adj bump adj metallurgy)) with (ti titanium) with (nickel ni) with (gold au)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/12 16:13

		C240200 UPDV	T	1 0000 /00 /10 10 10
_	2	6348399.URPN.	USPAT	2003/03/12 16:18
-	2	6348399.URPN.	USPAT	2003/03/12 16:19
-	9	1 ( 0020001   0020020   0000000	USPAT	2003/03/12 16:19
		"5830800"   "5925936"   "5930603"		
		"6004867"   "6204559"   "6238952").PN.		
-	2	6348399.URPN.	USPAT	2003/03/13 07:58
-	9	("5323051"   "5620928"   "5656550"	USPAT	2003/03/13 07:59
		"5830800"   "5925936"   "5930603"		
		"6004867"   "6204559"   "6238952").PN.		
-	2617	(ubm (underbump nearl metallization) blm	USPAT;	2003/03/14 08:45
		plm ((ball pad) near1 metallurgy) (under	US-PGPUB;	
		adj bump adj metallurgy))	EPO; JPO;	
			DERWENT	
-	28	((ubm (underbump nearl metallization) blm	USPAT;	2003/03/13 10:20
		plm ((ball pad) near1 metallurgy) (under	US-PGPUB;	1
		adj bump adj metallurgy))) with (ti	EPO; JPO;	
		titanium) with (nickel ni) with (gold au)	DERWENT	•
-	0	6179200.URPN.	USPAT	2003/03/13 08:23
-	7	( 0.000,000   0.000,000	USPAT	2003/03/13 08:23
		"5658827"   "5775569"   "5791552 <b>"</b>		
		"5825629").PN.		
-	26	"5298459"	USPAT;	2003/03/13 08:33
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	28	"5268072"	USPAT;	2003/03/13 08:34
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	61	("5298459" "5268072") not6	USPAT;	2003/03/13 08:34
			US-PGPUB;	
	!		EPO; JPO;	
			DERWENT	
-	48	("5298459" "5268072") not (((ubm (underbump	USPAT;	2003/03/13 08:34
		near1 metallization) blm plm ((ball pad)	US-PGPUB;	
		near1 metallurgy) (under adj bump adj	EPO; JPO;	
		metallurgy))) with (ti titanium) with	DERWENT	
		(nickel ni) with (gold au))		
-	48	"5298459" "5268072"	USPAT;	2003/03/13 08:35
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	15	("5298459" "5268072") and (ti titanium) and	USPAT;	2003/03/13 09:02
		(nickel ni) and (gold au)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	18	("4582745"   "5137845"   "5268072"	USPAT	2003/03/13 08:36
		"5418186"   "5445705"   "5456788"		
		"5462638"   "5543032"   "5629564"		
		"5705428"   "5767010"   "5775569"		
		"5902686"   "5937320"   "5946590"		
		"6015505"   "6025649"   "6130170").PN.		
-	3	"6387793"	USPAT;	2003/03/13 09:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
ļ -	10	("3663184"   "4661375"   "5162257"	USPAT	2003/03/13 09:02
		"5376584"   "5480835"   "5492235"		
		"5736456"   "5767010"   "5773359"		
		"6133136").PN.		
-	30	3663184.URPN.	USPAT	2003/03/13 09:49
-	13	4514751.URPN.	USPAT	2003/03/13 09:50
-	7	("3037180"   "3141226"   "3287612"	USPAT	2003/03/13 09:55
		"3361592"   "3395993"   "3409809"		
		"3480412").PN.		[
-	83	((ubm (underbump near1 metallization) blm	USPAT;	2003/03/13 10:21
ļ	İ	plm ((ball pad) near1 metallurgy) (under	US-PGPUB;	
	ļ	adj bump adj metallurgy))) and ((ti	EPO; JPO;	
		titanium) with (nickel ni) with (gold au))	DERWENT	

_	55	(((ubm (underbump nearl metallization) blm plm ((ball pad) nearl metallurgy) (under adj bump adj metallurgy))) and ((ti titanium) with (nickel ni) with (gold au))) not (((ubm (underbump nearl metallization) blm plm ((ball pad) nearl metallurgy) (under adj bump adj metallurgy))) with (ti titanium) with (nickel ni) with (gold au))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/13 12:33
-	0 10	6333559.URPN.	USPAT USPAT	2003/03/13 14:50 2003/03/13 14:50
_	8	"6187680"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/13 15:24
_	4	("5136364"   "6107170"   "6133136"   "6187680"   "2002/0003302").PN.	USPAT	2003/03/13 15:24
	21 4	5136364.URPN. ("5136364"   "6107170"   "6133136"   "6187680"   "2002/0003302").PN.	USPAT USPAT	2003/03/13 15:28 2003/03/13 15:32
-	5 9	6187680.URPN. ("4495222"   "4761386"   "4933305"   "5284797"   "5350488"   "5384284"	USPAT USPAT	2003/03/13 16:19 2003/03/13 16:19
_	2617	"5403777"   "5416278"   "5567654").PN. (ubm (underbump near metallization) blm plm ((ball pad) nearl metallurgy) (under adj bump adj metallurgy))	USPAT; US-PGPUB; EPO; JPO;	2003/03/14 09:49
-	70	al adj stack	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/03/14 08:49
-	0	((ubm (underbump near metallization) blm plm ((ball pad) nearl metallurgy) (under adj bump adj metallurgy))) with (al adj	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/03/14 08:49
_	873	stack) al near2 stack	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/03/14 08:49
-	0	((ubm (underbump near metallization) blm plm ((ball pad) nearl metallurgy) (under adj bump adj metallurgy))) with (al near2 stack)	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/14 08:49
_	4	((ubm (underbump near metallization) blm plm ((ball pad) near1 metallurgy) (under adj bump adj metallurgy))) and (al near2 stack)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/14 09:02
-	5	6187680.URPN.	USPAT	2003/03/14 08:53
-	6257	plated nearl through nearl hole	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/14 09:03
_	0	<pre>(plated near1 through near1 hole) and ((embedding embedded) with (screen adj printing))</pre>	USPAT; US-PGPUB; EPO; JPO;	2003/03/14 09:03
_	138	(embedding embedded) with (screen adj printing)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/03/14 09:11
_	0	((embedding embedded) with (screen adj printing)) with "or"	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/03/14 09:06
_	0	((embedding embedded) with (screen adj printing)) with cvd	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/14 09:11

	·	T		
-	0	(plated near1 through near1 hole) with cvd	USPAT;	2003/03/14 09:11
1			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	0	6451681.URPN.	USPAT	2003/03/14 09:16
-	6		USPAT	2003/03/14 09:16
		"5864946"   "6133136"   "6187680").PN.		
-	19	'	USPAT	2003/03/14 09:19
		"5302219"   "5442852"   "5611884"		
		"5637832"   "5658827"   "5691245"		
		"5744758"   "5817404"   "5902686"		
		"5925930"   "6107180"   "6143116"		
		"6181569"   "6187680"   "6192579"		
		"6341417").PN.		
-	13	5902686.URPN.	USPAT	2003/03/14 09:28
-	3	6258705.URPN.	USPAT	2003/03/14 09:31
-	10	("4927505"   "5137845"   "5369299"	USPAT	2003/03/14 09:32
		"5563102"   "5736456"   "5773359"		
		"5902686"   "5903058"   "5904859"		
		"6015652").PN.		
-	6	5904859.URPN.	USPAT	2003/03/14 09:35
-	3	("5773359"   "5904859"   "5985694").PN.	USPAT	2003/03/14 09:38
_	3	("5773359"   "5904859"   "5985694").PN.	USPAT	2003/03/14 09:39
-	5	("3809588"   "4396900"   "4434434"	USPAT	2003/03/14 09:39
	ļ	"4747907"   "5503286").PN.		= 100,00, 11 03.03
-	18	("3887760"   "4921157"   "4950623"	USPAT	2003/03/14 09:41
1		"5048744"   "5152451"   "5160409"		, 33, 11 03.11
		"5162257"   "5167361"   "5293006"		,
	L.	"5327013"   "5407121"   "5415944"		1
		"5470787"   "5499754"   "5617989"		
		"5629564"   "5641113"   "5767010").PN.		
_	501	(ubm (under near1 bump near1 metallurgy))	USPAT;	2003/03/14 09:50
		( and the contract of the cont	US-PGPUB;	2003/03/14 03:30
			EPO; JPO;	
			DERWENT	
_	50	((ubm (under near1 bump near1 metallurgy)))	USPAT;	2003/03/14 09:51
		near3 (titanium chrome nickel platinum)	US-PGPUB;	2003/03/14 09.31
		( or solitonic mission processing)	EPO; JPO;	
			DERWENT	
_	102	((ubm (under near1 bump near1 metallurgy)))	USPAT;	2003/03/14 09:51
		with (titanium chrome nickel platinum)	US-PGPUB;	2003/03/14 03.31
		The second of the second secon	EPO; JPO;	
			DERWENT	
l	5	("5894410"   "5990547"   "6169329"	USPAT	2003/03/14 13:43
	Ū	"6175160"   "6413851").PN.	OBINI	2003/03/14 13.43
	0	6501185.URPN.	USPAT	2003/03/14 13:43
_	32	"5767010"	USPAT;	2003/03/14 15:43
	J.	<del></del>	US-PGPUB;	2000,00,14 10.12
			EPO; JPO;	
			DERWENT	
_	1	5767010.pn. and "42"	USPAT;	2003/03/14 16:14
		The state of the s	US-PGPUB;	2005/05/14 10.14
			EPO; JPO;	
			DERWENT	[
	1	5767010.pn. and (tin lead)	USPAT;	2003/03/14 16:14
	-	o, o, oto.ph. and (cin read)	US-PGPUB;	2003/03/14 10:14
	ļ			
1			EPO; JPO; DERWENT	
_	2	"6319846"	USPAT;	2003/07/14 09:27
	2	0017010		2003/07/14 09:27
	-		US-PGPUB;	
			EPO; JPO;	
_	0	6319846.URPN.	DERWENT	2002/07/14 02 07
	5		USPAT	2003/07/14 09:27
	၁	("4130454"   "5244539"   "5268048"   "5574386"   "6134776").PN.	USPAT	2003/07/14 09:27
_	9	"3574386"   "6134776").PN. ("4495222"   "4761386"   "4933305"	HGDVW	2002/07/14 02 22
	9		USPAT	2003/07/14 09:33
		"5284797"   "5350488"   "5384284"   "5403777"   "6416378"   "5567654") PN		
:_ [	_	"5403777"   "5416278"   "5567654").PN.	HCDAM	2002/07/11
	9	("4495222"   "4761386"   "4933305"	USPAT	2003/07/14 09:36
ŀ		"5284797"   "5350488"   "5384284"   "5402777"   "5416278"   "5567664"   DV		
		"5403777"   "5416278"   "5567654").PN.		